Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/19/2022 10:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124582	-1	1.78	124432	1.76
Blue	F	SSC	125000	123092	-2	3.05	123501	2.82
Blue	E	FITC	14284	13694	-5	2.38	384	13.78
Blue	D	PE	23919	23574	-2	1.83	560	10.59
Blue	B	PerCP-Cy5-5	31332	30639	-3	3.11	876	14.75
Blue	A	PE-Cy7	22272	21948	-2	4.89	457	30.12
Red	C	APC	47768	47184	-2	2.64	1627	11.13
Red	A	APC-Cy7	25313	24266	-5	3.02	687	12.01
Violet	B	V450	7085	6719	-6	3.4	469	11.38
Violet	A	V500	26969	26170	-3	2.99	897	8.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23303	3.46	578	-11	N/A	N/A	Pass
Blue	F	SSC	55259	2.21	517	-4	N/A	N/A	Pass
Blue	E	FITC	57	51.89	488	-13	0.0378	0	Pass
Blue	D	PE	110	38.51	486	-11	0.3839	273	Pass
Blue	B	PerCP-Cy5-5	138	42.8	574	-14	0.0209	135	Pass
Blue	A	PE-Cy7	75	81.12	621	-14	0.0232	7	Pass
Red	C	APC	340	25.85	574	-6	0.0311	271	Pass
Red	A	APC-Cy7	128	34.97	546	-9	0.0069	1664	Pass
Violet	B	V450	79	46.92	452	-11	0.0542	2075	Pass
Violet	A	V500	106	30.77	464	-10	0.0271	974	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.14	-31.64	1.00
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	14.89	13.90 - 20.86	N/A	N/A	29.86	30.24	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11647

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments